Performance Data Sheet

AWG5520EXN

General Information

Model	AWG5520EXN	**Refrigerant**	R-22
Test Condition	ARI	**Performance Test Voltage**	230V ~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	PSC

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
-15	Btu/h	4770	4180					
	Watts	897	908					
	Amps	4.27	4.28					
	Lb/h	61.0	56.1					
-10	Btu/h	6200	5510	4810				
	Watts	988	996	1010				
	Amps	4.62	4.62	4.67				
	Lb/h	79.2	73.5	67.2				
-5	Btu/h	7710	6920	6120	5320			
	Watts	1070	1080	1100	1120			
	Amps	4.94	4.96	5.02	5.10			
	Lb/h	98.1	91.6	84.6	77.1			
0	Btu/h	9320	8430	7510	6600	5730		
	Watts	1150	1160	1180	1200	1220		
	Amps	5.25	5.29	5.36	5.46	5.55		
	Lb/h	118	111	103	94.6	86.0		
5	Btu/h	11000	10000	9010	7990	6990		
	Watts	1220	1240	1260	1280	1310		
	Amps	5.53	5.60	5.70	5.82	5.93		
	Lb/h	139	131	123	113	104		
10	Btu/h	12900	11800	10600	9490	8370	7290	6290
	Watts	1280	1300	1330	1370	1390	1420	1430
	Amps	5.79	5.89	6.03	6.18	6.32	6.42	6.48
	Lb/h	161	153	144	134	123	113	102
15	Btu/h	14900	13700	12400	11100	9870	8660	7520
	Watts	1330	1360	1400	1440	1480	1510	1540
	Amps	6.01	6.16	6.34	6.53	6.70	6.85	6.93
	Lb/h	185	176	166	155	144	133	121
20	Btu/h	17000	15700	14300	12900	11500	10200	8870
	Watts	1370	1420	1470	1520	1570	1610	1640
	Amps	6.19	6.39	6.62	6.86	7.09	7.27	7.40
	Lb/h	210	201	190	179	167	155	142

25	Btu/h	19400	17900	16400	14800	13300	11800	10400
	Watts	1400	1460	1530	1590	1650	1700	1750
	Amps	6.32	6.59	6.88	7.18	7.46	7.70	7.88
	Lb/h	237	227	216	204	192	178	165
30	Btu/h	21900	20300	18600	16900	15300	13600	12000
	Watts	1420	1500	1580	1660	1730	1800	1860
	Amps	6.41	6.75	7.11	7.47	7.82	8.12	8.36
	Lb/h	266	256	244	232	218	204	190
35	Btu/h	24600	22800	21000	19200	17400	15600	13900
	Watts	1420	1520	1620	1720	1810	1890	1960
	Amps	6.44	6.86	7.30	7.74	8.16	8.53	8.84
	Lb/h	298	287	275	261	247	233	218
40	Btu/h	27500	25600	23700	21700	19700	17800	15900
	Watts	1410	1530	1650	1770	1880	1980	2070
	Amps	6.42	6.92	7.45	7.98	8.47	8.93	9.31
	Lb/h	331	320	307	293	279	263	248
45	Btu/h	30600	28600	26500	24400	22300	20200	18100
	Watts	1390	1530	1670	1810	1950	2070	2180
	Amps	6.33	6.93	7.56	8.17	8.76	9.30	9.77
	Lb/h	367	355	342	328	313	297	280
50	Btu/h	34000	31900	29600	27400	25100	22800	20600
	Watts	1350	1520	1690	1850	2010	2150	2290
	Amps	6.17	6.88	7.61	8.33	9.01	9.65	10.2
	Lb/h	405	393	380	365	350	333	316
55	Btu/h	37700	35300	33000	30500	28100	25700	23300
	Watts	1300	1490	1690	1880	2060	2230	2390
	Amps	5.94	6.77	7.61	8.43	9.23	9.97	10.6
	Lb/h	446	434	421	405	389	372	354

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.290967E+04	1.654572E+03	8.986479E+00	1.223246E+02
C2	4.740916E+02	3.832904E+00	1.250983E-03	4.564473E+00
C3	2.466147E+01	-1.702943E+01	-1.174959E-01	8.091148E-01
C4	2.920859E+00	-5.155437E-01	-1.879826E-03	1.557778E-02
C5	-1.424869E+00	1.806129E-01	9.340955E-04	7.273799E-04
C6	-1.197601E+00	1.779973E-01	1.175179E-03	-1.385837E-02
C7	1.900929E-02	-1.083986E-03	-6.456425E-06	2.145421E-04
C8	-8.144421E-03	4.480361E-03	1.731303E-05	8.606352E-05
C9	-4.224096E-03	-5.683791E-04	-2.619183E-06	-8.425152E-05
C10	4.112261E-03	-5.518502E-04	-3.624977E-06	3.829877E-05

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature